## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

**LISTING OF CLAIMS** 

1.- 10. (Cancelled)

11. (Previously Presented) A method for forming a laminate material including a selected pore, comprising:

selecting a substantially oxide-free fabric;

forming a fabric stack including at least one layer of said selected substantially oxide-free fabric to be laminated into a substantially coherent laminate structure;

placing a pin into the fabric stack, said pin having a selected profile such that said selected pore remaining in said laminated structure allows for substantially unidirectional flow of a flowable material through the laminated structure;

laminating the fabric stack such that the fabric stack becomes laminated into a laminated structure;

removing the pin from the laminated structure to form a substantially selected pore in the laminated structure; and

cooling a structure with said uni-directional flow of said flowable material through said laminated structure.

12. (Original) The method of claim 11, wherein selecting a substantially oxide-free fabric includes:

selecting a material from the group including: carbon fiber, silicon carbide fiber, polymeric fibrous materials, and combinations thereof.

13. (Original) The method material of claim 11, wherein forming a fabric stack includes:

disposing at least a first substantially oxide-free fabric layer substantially adjacent a second substantially oxide-free fabric layer; and

wherein said first layer and said second layer are positioned in a selected orientation for forming the laminated structure.

14. (Original) The method of claim 13, wherein placing a pin into the fabric stack includes:

moving the pin through each of the layers of the fabric stack without substantially disrupting the selected orientation of each of said layers.

15. (Original) The method of claim 11, wherein placing a pin into the fabric stack includes:

moving a pin through fabric stack such that the pin is disposed through selected layers of said fabric stack.

16. (Original) The method of claim 11, wherein removing the pin from the laminate stack includes:

etching the pin by dissolving the pin with a selected liquid that removes the pin from the laminated structure while the laminated structure retains substantially all its properties.

17. (Canceled)

18. (Original) The method of claim 11, wherein placing a pin into the fabric stack includes:

placing the pin through a selected layer of said plurality of layers according to a selected pattern.

19. (Cancelled)

20. (Original) The method of claim 11, wherein placing a pin into the fabric stack includes:

placing a pin at a selected angle such that said selected pore remaining in said laminated structure allows for substantially uni-directional flow of a flowable material through the laminated structure of said selected angle.

21. - 25. (Canceled)

26. (Previously Presented) A method of forming with a laminated panel having a plurality of uni-directional pores, comprising:

forming a laminate preform including a plurality of layers of material;

disposing a plurality of pore forming members in said laminate preform in a selected pattern;

processing said laminate preform to form a laminated structure; and abolishing the pore-forming members in the laminated structure to form a plurality of uni-directional pores in said laminated structure that have a selected profile to enable uni-directional flow of a flowable material through said laminated structure.

- 27. (Original) The method of claim 26, wherein forming a laminate preform includes selecting a material including substantially oxide-free materials.
- 28. (Original) The method of claim 26, wherein processing said laminate preform includes forming said laminated structure around said pore forming members.
- 29. (Original) The method of claim 26, wherein abolishing the pore-forming members includes substantially removing said pore-forming members from said laminated structure substantially after said laminated structure is formed from said laminate preform.

- 30. 33. (Canceled)
  - 34. (Canceled)
- 35. (Currently Amended) The method of claim [[34]] 37, wherein forming a laminate preform includes;

selecting the plurality of layers of material to include a substantially non-oxide material; and

selecting a physical property of the material.

36. (Canceled)

37. (Currently Amended) The method of claim 36,
A method for forming a structure including a substantially selected porosil
comprising:
forming a laminate preform including a plurality of layers of material;
disposing a member at least partially through said laminate preform;
processing said laminate preform with said member disposed in said
laminate preform to form a substantially laminated structure;
destroying the member in said laminated structure to form a plurality of
pores in said laminated structure, said destroying of the member being accomplished
with at least one of substantially little oxidation and degradation to the laminate
materials;
disposing said laminated structure adjacent to a structure; and
cooling said structure through said pores formed in said laminate
structure;
wherein disposing a member through said laminate preform includes:
positioning the member through said layers of material in a selecte
manner;
wherein disposing a member through said laminate preform includes:
selecting a member having a desired profile such that a pore left i
said laminated structure by said member creates a substantially uni-directional flow of
flowable material.

38. (Currently Amended) The method of claim [[34]] <u>37</u>, wherein disposing a member through said laminate preform includes:

selecting a plurality of members to provide a selected porosity in said laminated structure when the plurality of members are removed from said laminate structure.

39. (Currently Amended) The method of claim [[34]] <u>37</u>, wherein processing said laminate preform includes:

infiltrating said laminate preform with a laminating material to substantially laminate the laminate preform.

- 40. (Currently Amended) The method of claim [[34]] <u>37</u>, further comprising: forming a pore having at least one of a selected size, shape, dimension, and property.
- 41. (Currently Amended) The method of claim [[34]] <u>37</u>, wherein cooling said structure by said porous laminated structure further comprises:

transpirationally cooling said structure.

42. (Currently Amended) The method of claim [[34]] <u>37</u>, wherein cooling said structure by said porous laminated structure further comprises:

forming said porous structure with a hot wall; and flowing a coolant through said pores to cool said hot wall.